



OIL REPORT

LAB NUMBER:
 REPORT DATE: 6/6/2016
 CODE: 1/32

UNIT ID: 87 MUSTANG
 CLIENT ID:
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Ford 5.0L 302 CID V-8	OIL TYPE & GRADE: Mobil 1 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 850 Miles
	ADDITIONAL INFO: LX	

CLIENT	
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COMMENTS We're going to assume that this engine took a beating in the Lemon race, and also that it might not have been in that great shape to begin with. Metals are pretty high, especially bearing metals (copper, lead, tin). Aluminum and chrome show some piston and ring wear, but not as bad as the bearing wear. There might be a little coolant present, unless the sodium is residual additive. Silicon could also be from coolant, or it could be from dirt. Check air filtration since dirt can cause poor upper-end wear (though probably not the bearing wear). Keep your oil changes short.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	850	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	2,000						
	Sample Date	6/4/2016						
	Make Up Oil Added	1.5 qts						
ALUMINUM	8	5						4
CHROMIUM	4	2						1
IRON	25	18						21
COPPER	42	29						6
LEAD	31	15						10
TIN	9	4						1
MOLYBDENUM	80	42						63
NICKEL	1	0						1
MANGANESE	1	1						2
SILVER	0	0						0
TITANIUM	0	0						0
POTASSIUM	4	2						2
BORON	85	89						43
SILICON	26	22						11
SODIUM	52	13						52
CALCIUM	1512	1963						1814
MAGNESIUM	602	113						219
PHOSPHORUS	1061	765						758
ZINC	1224	880						901
BARIUM	0	0						0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°	59.1	55-63				
	cSt Viscosity @ 100°C	9.95	8.8-11.3				
Flashpoint in °F	420	>375					
Fuel %	<0.5	<2.0					
Antifreeze %	?	0.0					
Water %	0.0	0.0					
Insolubles %	0.4	<0.6					
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380